Title: CATALYTIC PARTIAL OXIDATION OF HYDROCARBONS Applicant(s): SCHMIDT et al.
Serial No.: 10/620,183

Filed: July 15, 200 Filed: July 15, 2003
REPLACEMENT SHEET Docket: 110.02090101 Express Mail No.: EV073687302 US Sheet 1 of 14 1/14 JAN 2 3 2004 TRABE! Fig. 1B Φ 7 19 ω 9 9 Fíg. 1A 30

Fíg. 2B

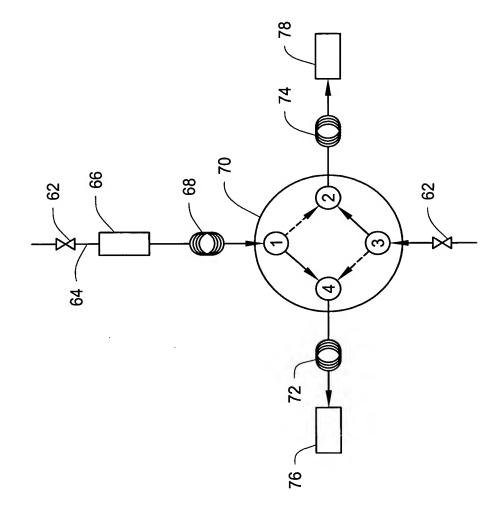
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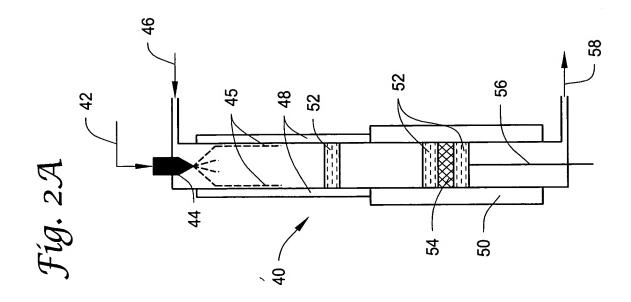
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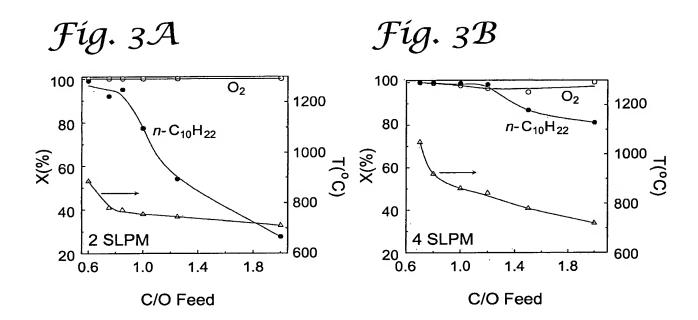
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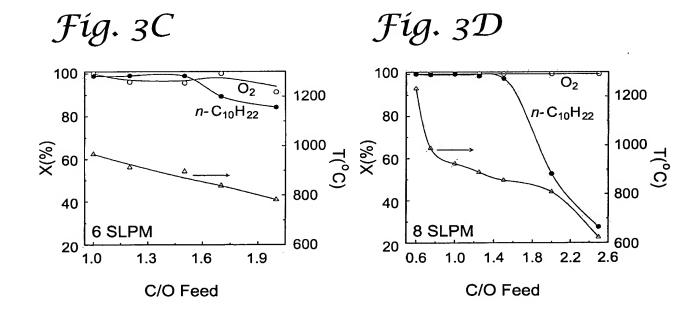
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Fig. 4A

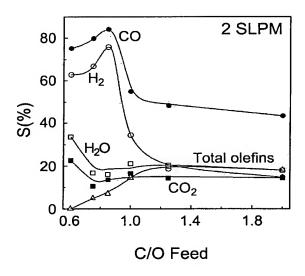


Fig. 4B

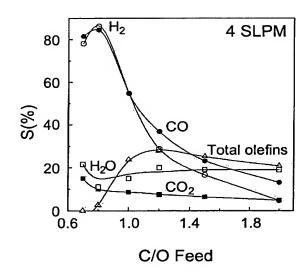


Fig. 4C

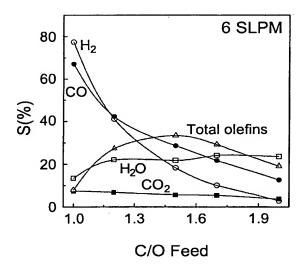
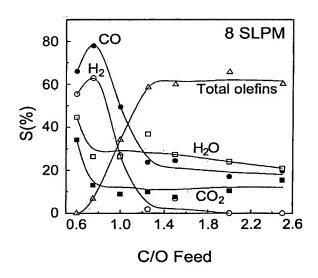


Fig. 4D



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Fig. 5A

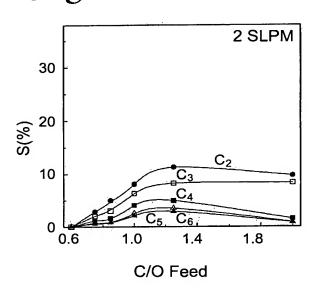


Fig. 5B

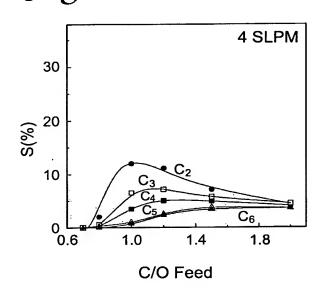


Fig. 5C

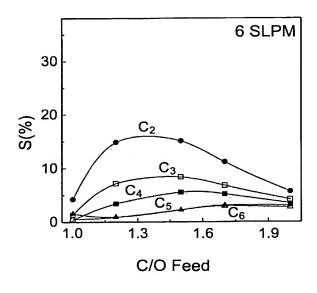
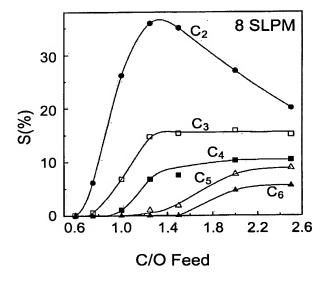


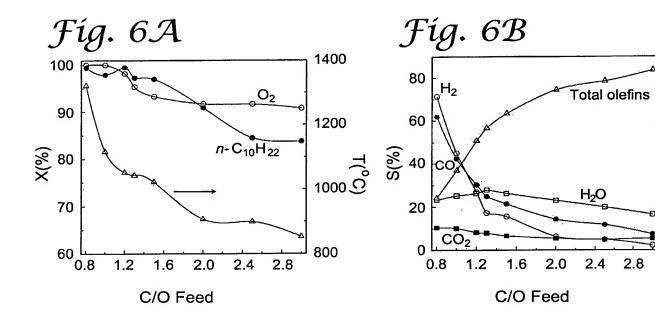
Fig. 5D

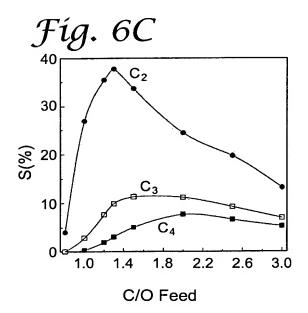


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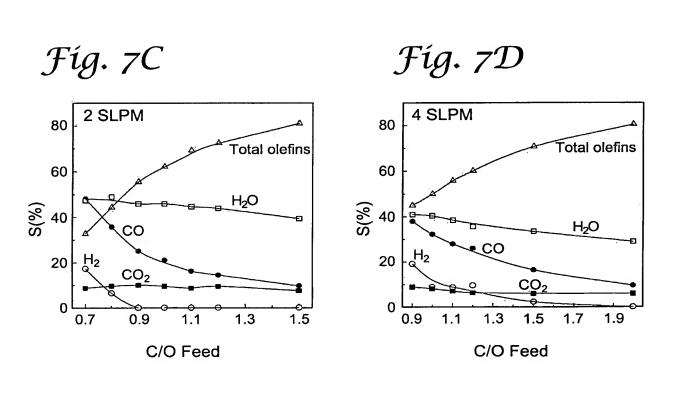
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C/O Feed

Fig. 7B Fig. 7A 100 100 n-C₁₀H₂₂ 1000 1000 n-C₁₀H₂₂ 90 90 O_2 900 900 %) 80 %) 80 800 800 70 70 700 700 2 SLPM 4 SLPM 600 60 600 60 1.5 1.7 1.9 0.7 0.9 1.1 1.3 1.5 0.9 1.1 1.3





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Fig. 8A

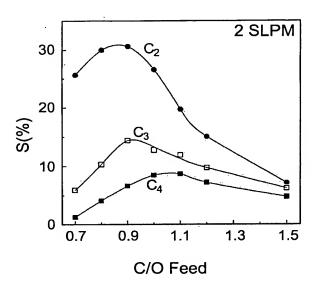
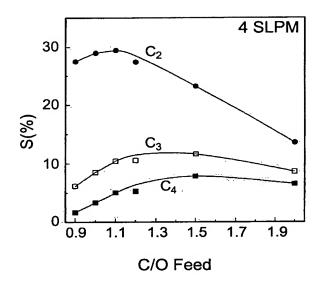


Fig. 8B

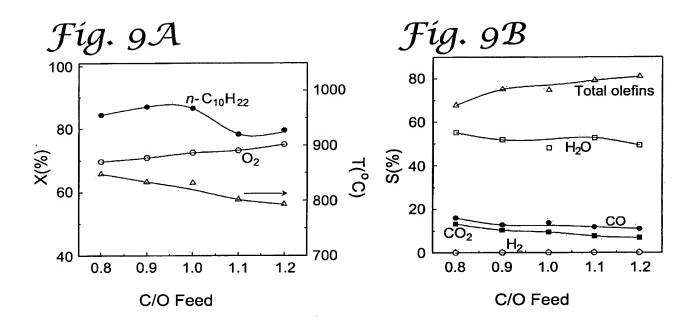


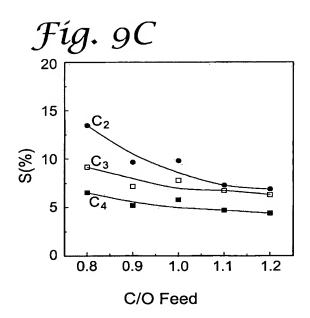


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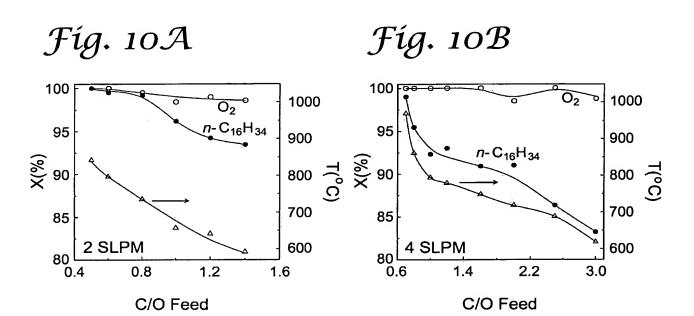
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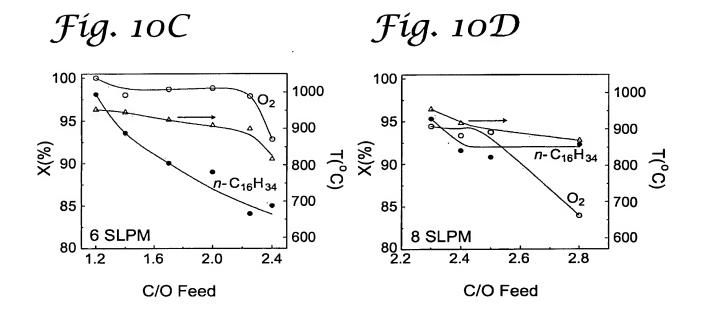
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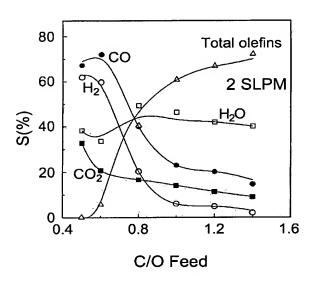
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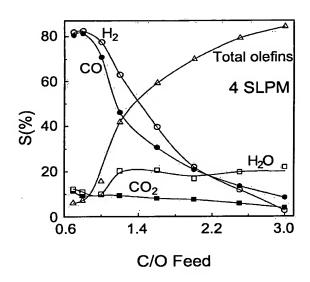
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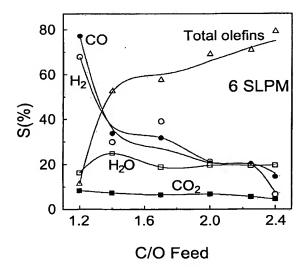
Fíg. 11A



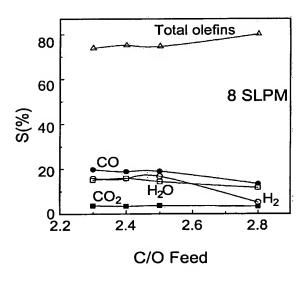
Fíg. 11B



Fíg. 11C



Fíg. 11D

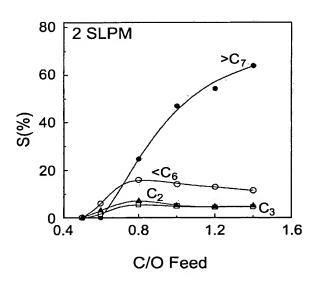


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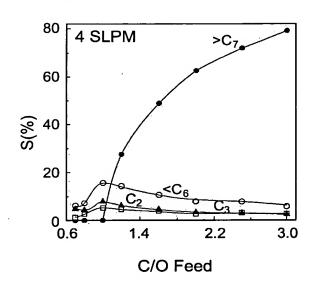
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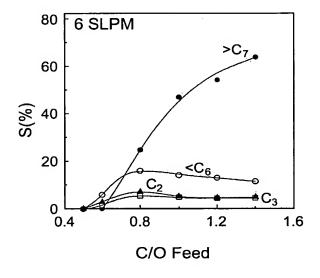
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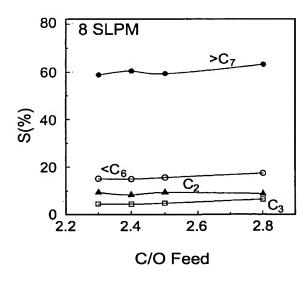
Fíg. 12B



Fíg. 12C



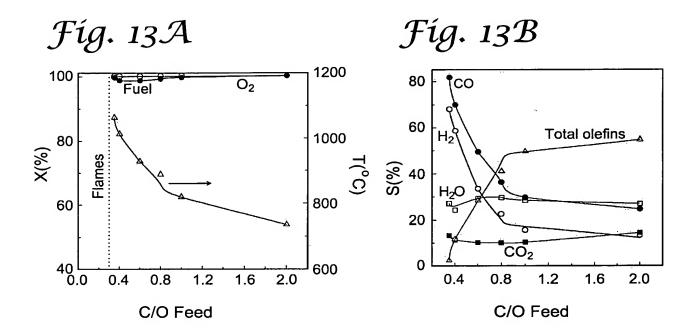
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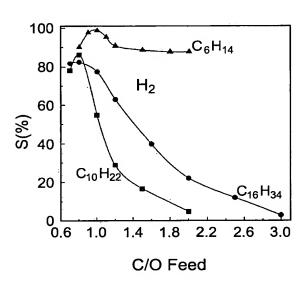




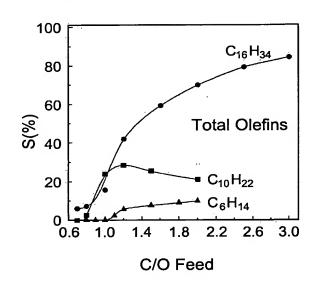
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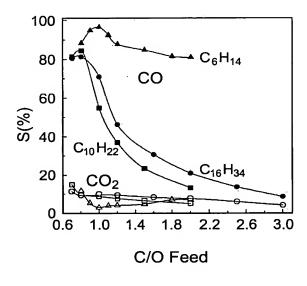
Fíg. 14A



Fíg. 14B



Fíg. 14C



Fíg. 14D

